PATENT
Attorney Docket No.: A-57518-2/DJB

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:	Examiner: DADIO, S.
WEISS et al.	Group Art Unit: 1808
Serial No.: UNKNOWN	
Filed: HEREWITH	
For: BIOLOGICAL FACTORS AND NEURAL STEM CELLS	

DECLARATION UNDER M.P.E.P. §715.01(c)

Commissioner of Patents
and Trademarks
Washington, DC 20231

Sir:

The undersigned, Brent A. Reynolds hereby declares and states that:

1. I was a co-author of the abstract entitled "EGF- and TGFα-responsive striatal embryonic progenitor cells produce both neurons and astrocytes" printed in Soc. Neurosci. Abstr. Vol. 15 (Oct/Nov 1990) [hereinafter "the Abstract"]. Dr. Samuel Weiss and Dr. Wolfram Tetzlaff were also co-authors of the Abstract.

2. The subject matter disclosed in the Abstract is also described in co-pending U.S. patent application Ser. No. 08/270,412 filed July 5, 1994 which is a continuation application of U.S.S.N. 07/726,812 [hereinafter "the Parent Application"] filed July 8, 1991, from which the above-identified application claims priority. Dr. Weiss and I are inventors of the subject matter claimed in the Parent Application, but Dr. Tetzlaff is not.

3. At the time the Abstract was written, Dr. Tetzlaff was a faculty member at the University of Calgary. I had planned to begin my Ph.D. work in Dr. Tetzlaff's lab. Prior to the time that I was to work in Dr. Tetzlaff's lab, I was

working on some experiments in Dr. Weiss' lab related to the subject matter of the Abstract. The project in Dr. Weiss' lab began to grow in size. I then changed my thesis project to the work that I was doing with Dr. Weiss.

4. Dr. Tetzlaff was listed as an author on the Abstract primarily because he financially supported me while the reported work was done. He also participated in discussions of the work. During these discussions with Dr. Weiss and me, Dr. Tetzlaff principally provided critique to the research findings. He also made suggestions as to certain cellular markers and histochemical techniques to use to identify of some of the differentiated cells in the cell cultures (specifically, the use of GFAP to identify astrocytes). The use of cellular markers to identify differentiated neural cells was well-known at the time.

5. Dr. Tetzlaff did not participate with Dr. Weiss and me in the design of the culture conditions and techniques that led to a method for long-term passaging of the undifferentiated cells which in turn led to the discovery that these cells were multipotent neural stem cells capable of self-renewal. Thus, because Dr. Tetzlaff did not participate in the discovery that multipotent neural stem cells can proliferate *in vitro*, he was not included as an inventor in the Parent application.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that willful, false statements may jeopardize the validity/enforceability of the application or any patent issued thereon.

Dated: 15.12.94 Signature: _____

~~Brent~~ A. Reynolds, Ph.D.